



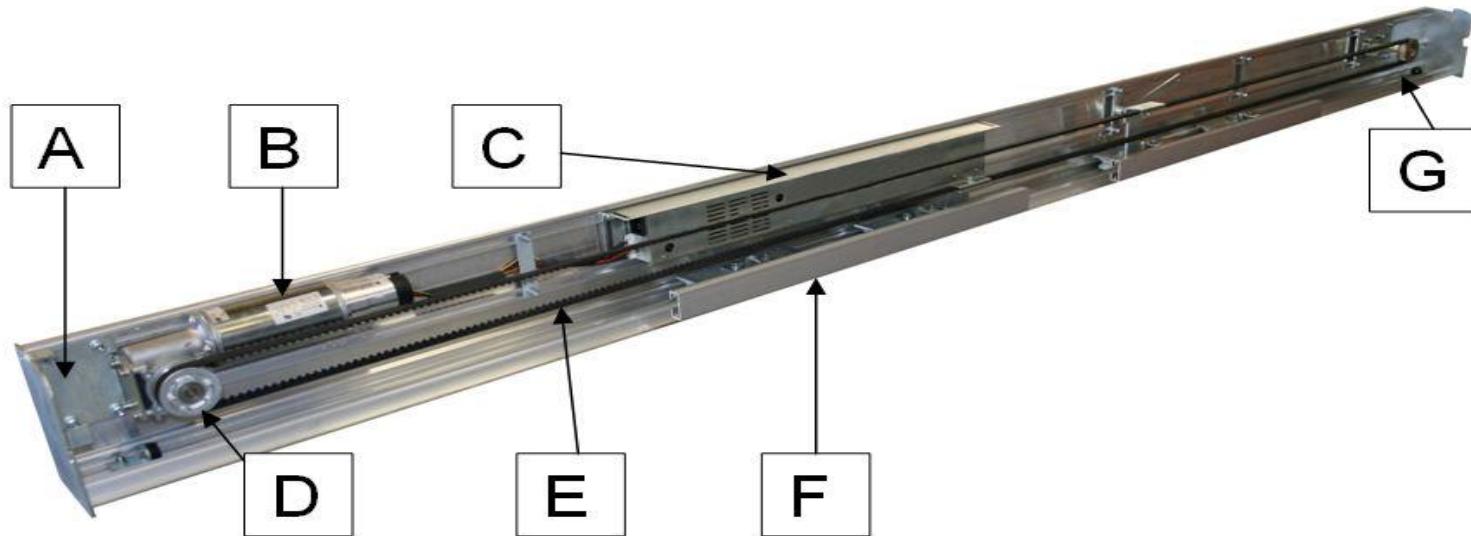
An Introduction to Automatic Sliding Doors

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Slide Door Operator



A Sliding Door Operator is a device that operates a sliding door for pedestrian use. It opens the door automatically, waits, then closes it. Typically used On the entrance doors of large retail businesses. (Smaller retail businesses prefer Automatics Swing Doors)

- A. End Plate
- B. Motor
- C. Control Unit
- D. Motor Wheel
- E. Belt
- F. Top Rail Adaptor
- G. Idler Wheel



GLOBAL AUTOMATICS

Automatic Sliding Door Activation,
Safety and Other Accessories

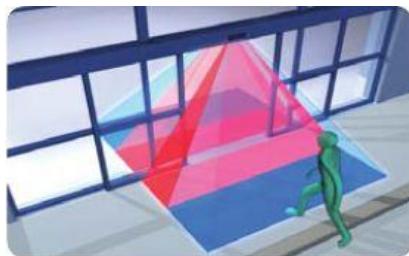
Sensor Activation & Safety

http://www.global-automatics.com/shop/sensors/sensors/cat_26.html

Activation Sensor - (Sometimes referred to as a PIR or Radar) opens the door when a user approaches it.

Presence Safety Sensor – Detects obstructions and stops the door opening or closing if there is a pedestrian in the way.

HR100 - 2 - Double Relay



HR94 - D1



A dual Sensor Suitable for Sliding doors. Combines Activation and Presence, Dual Relay Output. Separate adjustment of activation and safety detection zones possible

Two Sensors in One - Guarantee optimum door usage efficiency through separate adjustment of door activation and pedestrian safety Detection zones.

Timely Door Opening - Guarantee immediate detection of fast moving traffic up to a detection distance of 2m from the door face (Installation height of 2.2m)

Safety Beam Installation Optional - Eliminate the requirement for safety beams through separate relay outputs for activation and Safety2. (Depending on door type and national regulations in force)

Improved Pedestrian Safety - Enhance safety in front of the door close area with a focused 24 spot infrared safety curtain

Single Row Presence Sensor - Ideally used for sidescreen safety or threshold presence detection. This Stops the door opening or closing if there is a pedestrian in the way.

Sliding Door Side Screen Pedestrian Safety -Protect pedestrians from the dangerous leading door edge during door open cycles with a dense curtain of infrared safety

Door Threshold Pedestrian Safety -Safeguard pedestrians from hazardous door closures due to a shallow but wide infrared safety curtain

Solid & Reliable – Avoid the risk of loss or damage to individual sensor parts through a one piece sensor body construction

Simple to Install - Install with ease without the need for a remote control thanks to comprehensive instructions printed on the sensor body

Photo Cell, Signage Fire Alarms

http://www.global-automatics.com/shop/signage/cat_39.html

BP2 - 1 Photo Cells - Active Infrared Safety Beam- Controller and Single set of beams. Intelligent safety beam sensor designed to fit the slimmest of door profiles with a detection range of up to 12m

Increased Pedestrian Safety - Single or double set of infrared safety beams in the door close zone prevent door closure when the light beam is broken.

Large Detection Range - Detection range of up to 12m



BP2 – 2 Photo Cells - Active Infrared Safety Beam - Controller and Dual set of beams Active Infrared Safety Beam - Controller and Dual set of beams .

Simple to Install - Automatic sensitivity adjustment and recognition of a single or double set of safety beams simplify installation.

Extremely Reliable - Excellent resistance to the negative effects of sunlight and artificial light

Automatic Door Safety Sign - A Selection of safety signs are required to comply with the current British standards BS7036



Fire Alarm Links - Depending on your fire officer's requirements the door may be required to close or open in the event of a fire. Dedicated fire alarm contacts are available with in most automatic door operators. These are volt free normally open and will be connected to the fire alarm panel by others such as a credited fire alarm company.

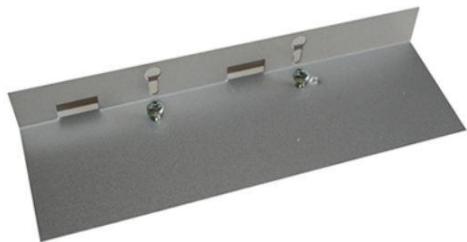


Weather Covers and Ceiling Kits

http://www.global-automatics.com/shop/sensors/sensor-accessories/cat_25.html

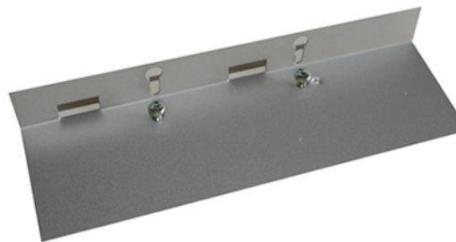
HR 100 Ceiling Kit - A ceiling mounting kit

Suitable for a HR100



HR 94 Ceiling Kit

A ceiling mounting kit Suitable for a HR94



Domino Weather / Ceiling Kit -A dual Purpose

Rain cover and Surface mounting ceiling kit for
the Domino. Ceiling kit sensor



Flush Mounting Kit - HR-100



Push Button Activation

http://www.global-automatics.com/shop/press-pads/cat_14.html

Push Button – Activates the door operator to open the door when a user presses the button.

- **Hardwired Push Button** - Push button activation for an automatic door hardwired into operator to the activation switch (Push button, Microwave sensor) Hardwired stainless steel switch (Also known as a push button or push pad) with ABS back box, wheelchair logo and "Push to Open" text printed.
- **Wireless Push Button** - Wireless stainless steel switch with ABS back box. Transmitter included and an Ultra-small 433MHz receiver will be required for the wireless push button to work with an Automatic door operator for the wireless push buttons to work with. Wheelchair logo and "Push to Open" text printed.



Our hardwired and wireless push pads come with the Wheel chair logo and "Press to open" text in three sizes - 115mm x 115mm x 44mm, 152mm x 152mm x 44mm and slim line 38mm x 115mm x 44mm.

Control Switches

http://www.global-automatics.com/shop/sliding-door-operators/sliding-door-accessories/cat_19.html

Surface-mounted, Flush Mounted and Canopy Mounted Switches

Acts as a switch for customers to change the door's function
engineers' mode allows for easy adjustments and set-up faults
diagnostics with issues displayed on screen uploaded with your logo and telephone number screen
saver and auto lock functions to prevent unauthorised usage



Morning Entry Keyswitch – A momentary switch - commonly used for the first point of entry on an automatic door. The keyswitch gives out a single impulse for one entry.



Customer Modes

- Automatic
- Exit Only
- Enter Only
- Hold Open
- Partial Opening
- Closed
- Pharmacy Mode
- Auto Width



Premier-Slide 100 Keyswitch - The Premier-Slide 100 Keyswitch has 4 Positions. This keyswitch can be used "In-line" with any of our Access switches for a secure change of Door operating Mode. - Automatic , Closed , One Way and Hold Open



More Accessories

Access control - the door opens when an Access Control System determines the user is authorized to go through. This incorporates magnetic locking, keypad and key fob entry systems.



Remote Control - Remote control transmitter sends a signal to the operator to open the door. Works with Ultra Small Receiver 433MHz-RX



Ultra-small 433MHz receiver is used with Wireless push button or Remote Control. This is normally installed in an automatic door operator when a wireless push button is to be used as activation; it receives the signal from the transmitter in the push button telling the door operator to open.



Typical Door Setup Example



Premier Slide 100



Premier Slide 100

http://www.global-automatics.com/shop/sliding-door-operators/premier-slide-operators/cat_18.html

Main Features:

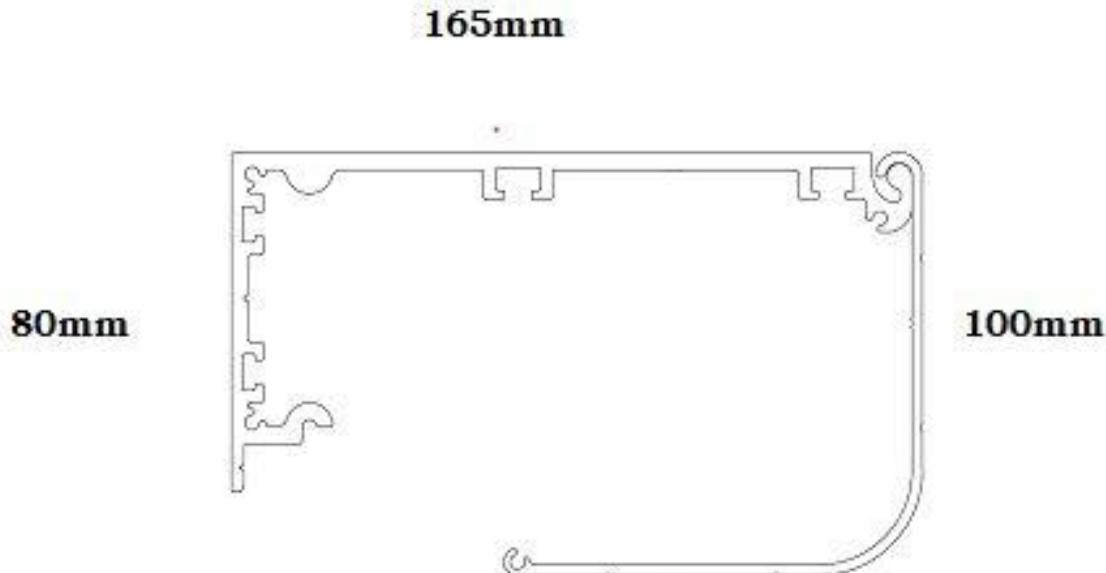
- Self diagnostic system
- Only 100mm in Height
- Easy to adjust wheel systems.
- “Creep Speed” input.
- Electromagnetic motor lock as standard
- Fast Installation – minimal tools required.
- Monitored battery backup with optional opening
- Switch-able Motor direction
- Full microprocessor control with smooth motor control using encoder technology.
- Slim-line mode switch: available in Surface, flush fit and canopy mounting options.
- Interlock – for security lobby systems
- Monitored safety sensor inputs
- Dedicated plugs for each sensor
- Easy adjustments via the Access Panel



Premier Slide 100 Extrusion

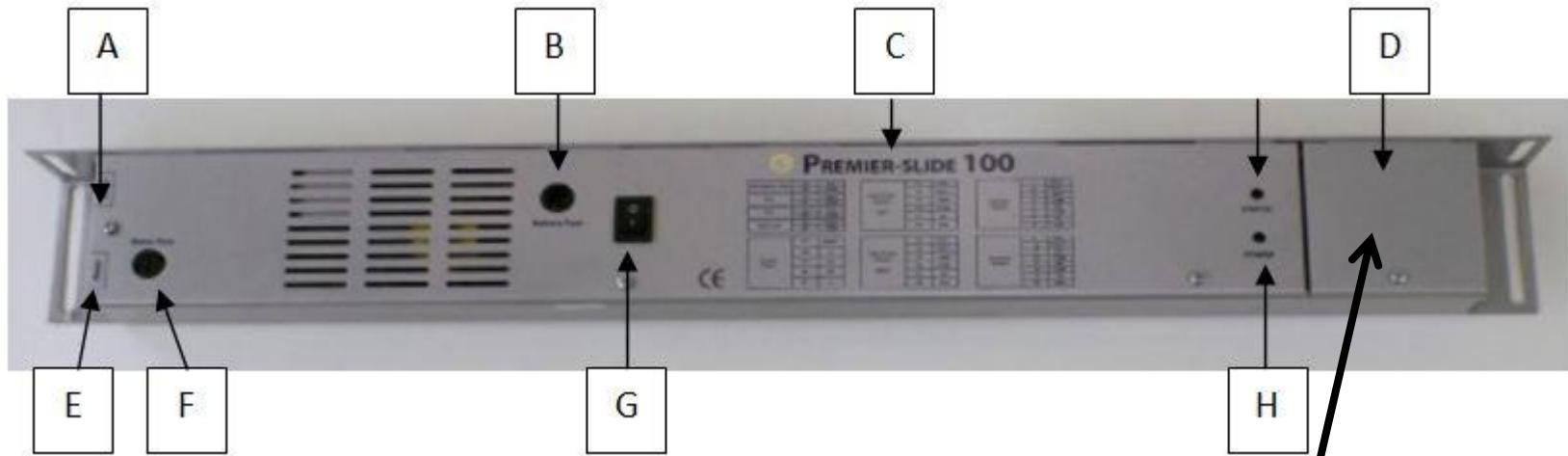
A minimum transom height of 100mm is required for to fit the Premier Slide 100 Operator.

Extrusion



Premier Slide 100 Control Unit

http://www.global-automatics.com/shop/Spare-Parts/Premier-slide-100/Premier-Slide-100-Control-Unit/prod_186.html



- A. Mains in (kettle plug)
- B. Battery fuse
- C. Wiring information
- D. Wiring block cover
- E. Motor connection plug
- F. Mains fuse
- G. On/ off switch
- H. Power and status led's

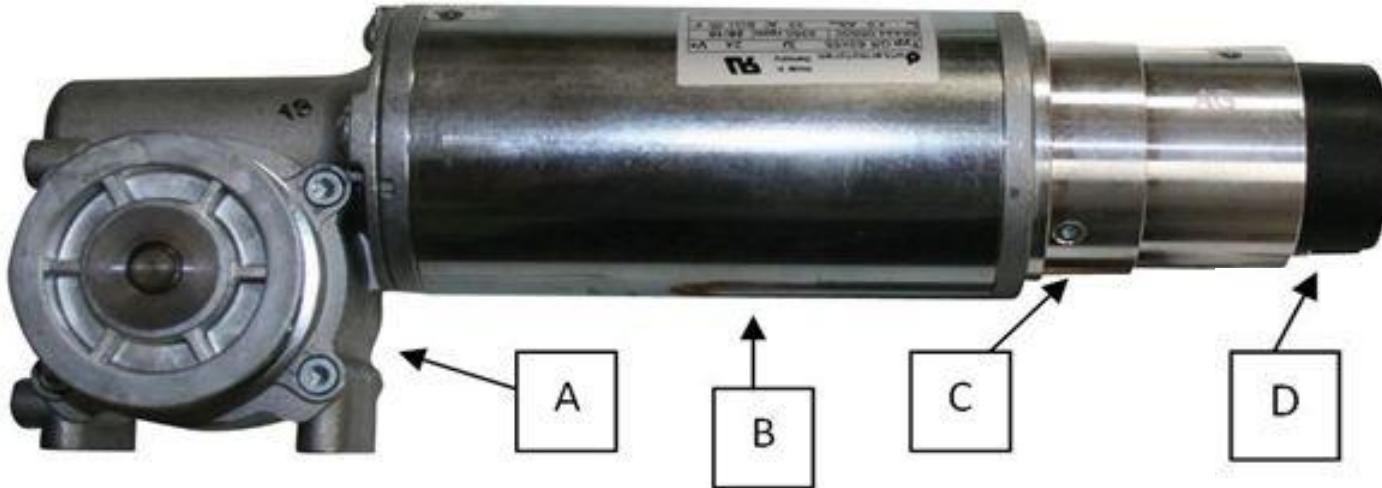


Dedicated Sensor Connections

Premier Slide 100 Motor

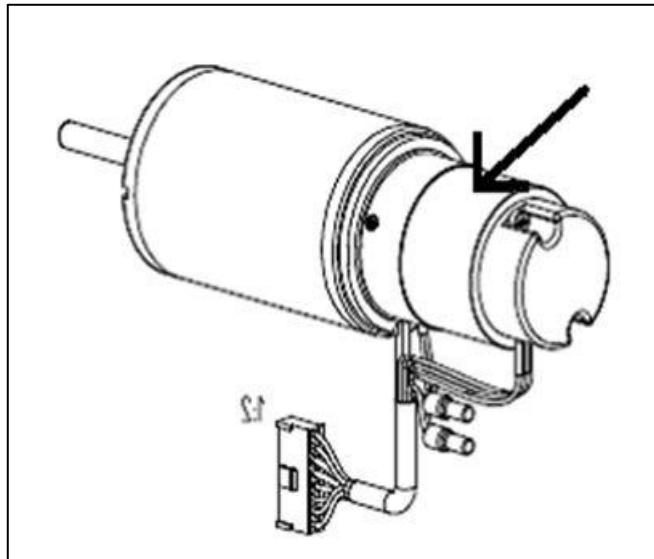
http://www.global-automatics.com/shop/Spare-Parts/Premier-Slide-AIO-Spares/Dunker-Motor/prod_170.html

100w Heavy Duty Dunkermotoren : Motor Gearbox



- A. Gearbox (15-1 ratio)
- B. Motor (24v)
- C. Motor brake / lock
- D. Encoder

Integrated Motor Lock

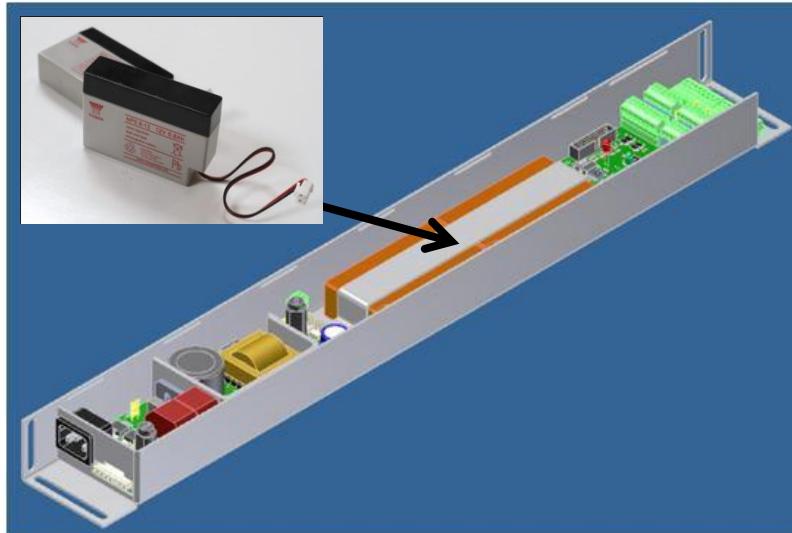


The Premier Slide 100 Electric Lock is built into the Motor / Gearbox for easy installation. It has 150Ncm of Torque when braking, so is very strong. Our active control unit will also increase the holding force if it sees that the doors are trying to be forced open. Our lock is Fail Safe, but will remain locked upon power cut due to the Monitored Battery Backup.

Premier Slide 100 Battery Backup

http://www.global-automatics.com/shop/Spare-Parts/Premier-slide-100/Premier-slide-100-Replacement-Battery/prod_187.html

The Premier Slide 100's battery Backup system uses two x 12v 0.8ah sealed lead acid Type batteries. These are held firmly in place by the battery strap and have dedicated plugs on the Right hand side of the PSU. Please remember to isolate the mains via the Kettle plug before removing or connecting the Batteries.



Our Battery backup system provides a constant variable charge when the door is not in operation depending on the condition of the batteries. I.e. If the batteries are new, our system uses a "trickle charge", for older batteries it assesses the required voltage and charges accordingly.

The Batteries are constantly monitored (Approx checked every 5 seconds) to confirm that they have enough power in them to carry out their emergency power failure procedure

BS7036 States – Operation upon mains power interruption. (Sliding doors) A monitored back-up system should be provided for use in case of mains power interruption. The monitoring system for the supervision of stored energy within the back-up system should ensure that the energy level stored is enough for at least one opening or closing operation. This check should be carried out immediately after mains power connection and then at least once every 4 hours. If this check is not carried out, or the result of the check is negative, then the powered door should adopt a predetermined safe position.

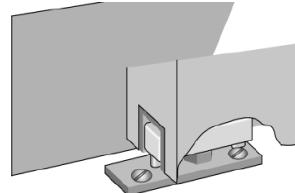
Floor Guides and Channels

http://www.global-automatics.com/shop/sliding-door-operators/sliding-door-accessories/cat_19.html

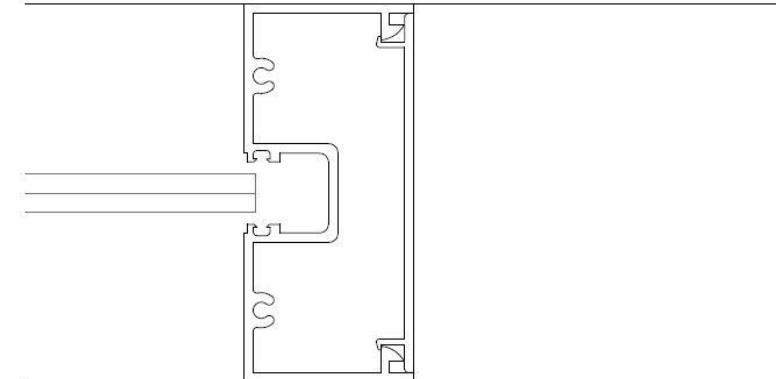
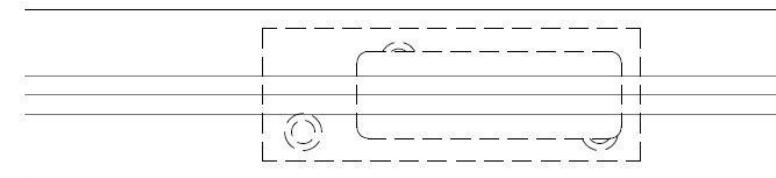
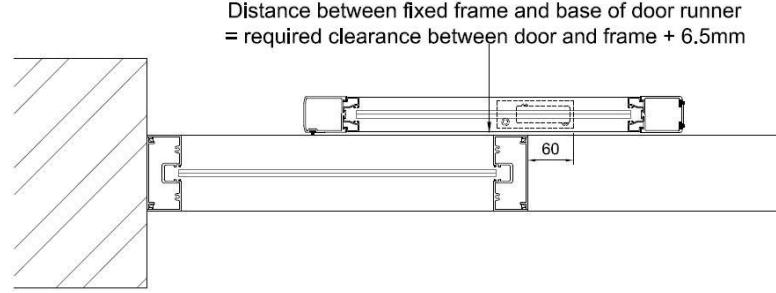
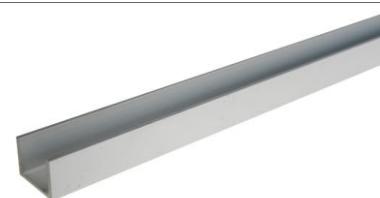
Floor Guide - An adjustable nylon Floor guide on a fixed steel plate, suitable for most sliding door applications.

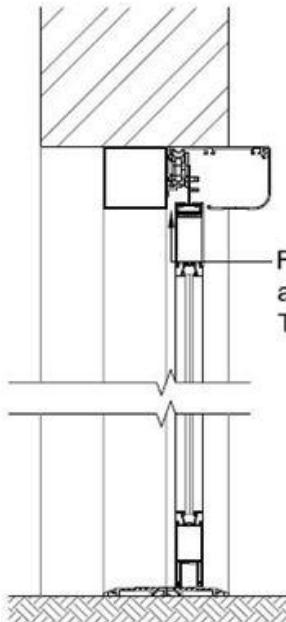
The standard floor guide system available with the Premier-Slide uses a guide track installed into the bottom of the door rail and a floor mounted adjustable guide.

The guide channel is simply cut to the inside dimension of the door Leaf and attached using countersunk self tapping screws straight into the door rail. The rear of the door can be notched out to allow the guide block to slide in if required



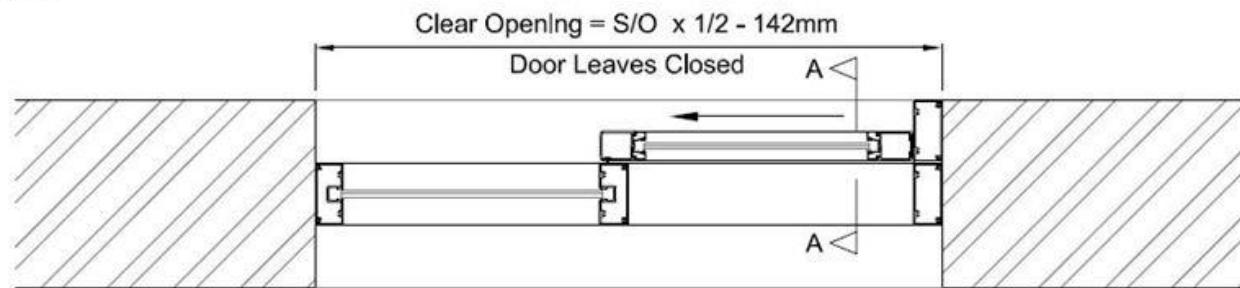
Floor Guide Channel - An anodised aluminium channel to suit our standard floor guides. Fixes upward into the bottom on a sliding door.





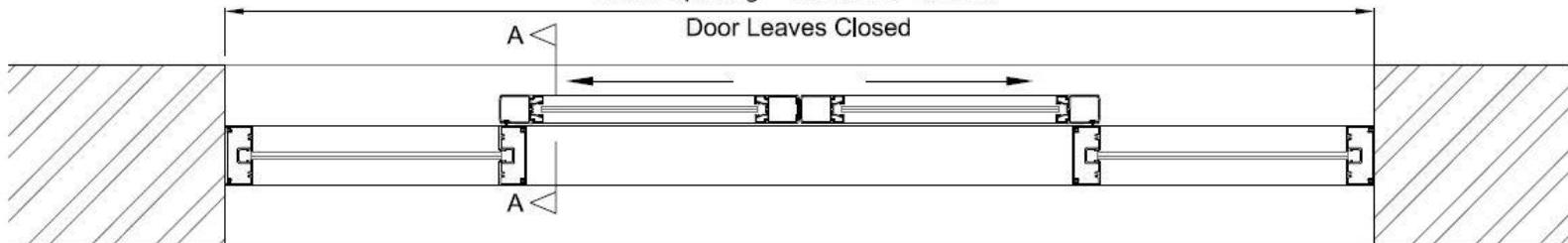
Section AA

Premier-slide 100 Sliding Door - Single Set Tunnel Fix



Premier-slide 100 Sliding Door - Double Set Tunnel Fix

Clear Opening = S/O x 1/2 - 194mm



Retro Fit Sliding Operator

http://www.global-automatics.com/shop/retrofit-kits/cat_1.html



RETRO FIT KIT - A retro fit kit can normally be install into the canopy of an existing old sliding door operator when the operator is no longer working. This can be a cost effective way of replacing old or worn out equipment.

To establish what the old operator is we require its make and model. If this is not possible we can normally Establish the operator type from photographs of the motor and processor units.

Global Automatics have the Biggest range of Retrofit Kits available to the Market. Each kit is bespoke to the Operating equipment it is replacing.

Our Kits normally require no drilling and take just a few short hours to install.

Each Retrofit Kit contains:

- 1 x Original Dunker Motor – With Electric Lock
- 1 x Control Unit & Battery Back Up System
- 1 x Mode Switch
- 1 x 5mtr Length of Belt
- 1 x kit of Brackets to suit the operator
- 1 x Installation Manual
- 1 x Customer User Manual

Some of the Operators that we offer kits for are built on Bolt up modules. It is for this reason that we supply the Module with all our equipment pre-mounted so you just have to bolt it in the same place as the old equipment

Premier-Slide 100 / Premier-Slide Retrofit Kit

| | Single Door | Double Door |
|------------------|--------------------------------------|-------------|
| Max Door Width | 2000mm | 3000mm |
| Max Door Height | 3000mm | 3000mm |
| Max Door Weight | 120kgs | 200kgs |
| Mains Voltage | 100v-250v AC | |
| Hold Open time | 0-60 secs | |
| Opening Speed | Max 600mm / Sec | |
| Closing Speed | Max 600mm / Sec | |
| Partial Opening | Adjustable 50 - 80% of Opening Width | |
| Aux Power Supply | 24v dc 2amp | |
| Ambient Temp | -15°C to +50°C | |

(Minimum Door Width 500mm)

Premier-Telescopic134

http://www.global-automatics.com/shop/sliding-door-operators/telescopic-sliding-operators/cat_21.html



The Premier-Telescopic 134

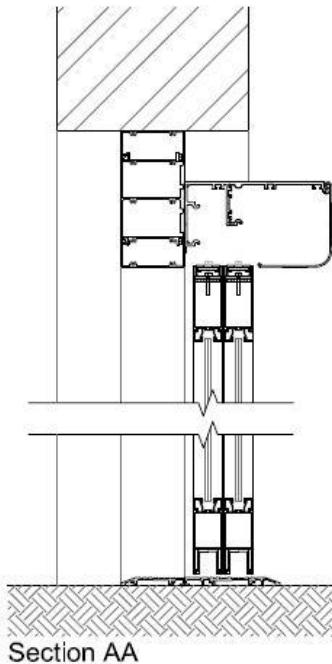
http://www.global-automatics.com/shop/sliding-door-operators/telescopic-sliding-operators/cat_21.html

Premier-Telescopic 134 - The Premier-Slide Telescopic allows the building designer to create a wider clear opening compared to a standard sliding door. The premier-slide provides power, safety and reliability in a heavy duty automatic door. The robust construction and precise microprocessor technology make this sliding operator the premier choice for automatic sliding door solutions.

The versatility of the premier-slide integrates beautifully with today's modern building designs, linking effortlessly with access control, firearms and Control systems. The premier- Slide Telescopic provides the most comprehensive range of features that could be required in an automatic door operator.

Product features:

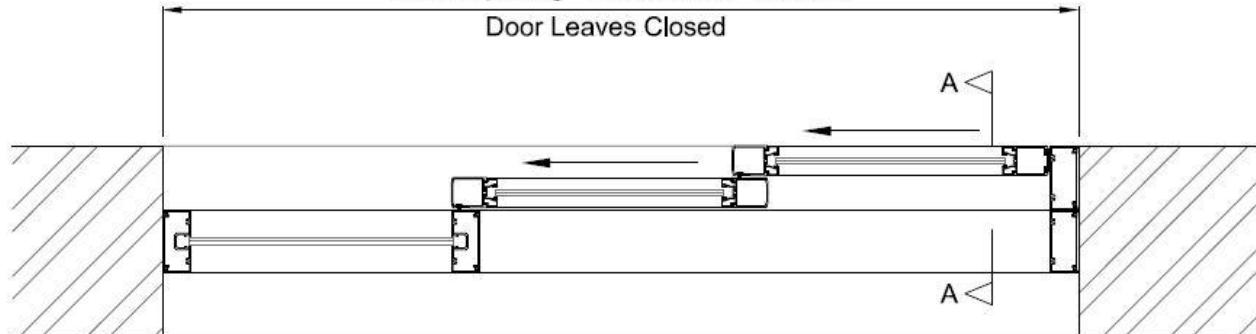
- The Telescopic allows for a clear opening of up to 60% of your overall aperture size, depending on the framework type.
- The aluminium sliding door track is only 113mm wide, making this one of the most versatile automatic telescopic sliding door systems available.
- Available in 2-wing and 4-wing configuration
- Highly reliable – 18 months warranty*
- Designed for easy installation, repair and servicing
- Highly precise microprocessor-driven control unit with optimum adjustments
- Interlock function for secured access doors
- Self setup system and monitored battery backup – in accordance with BS7036:1996
- Canopy stay – to hold up the canopy for easy installation and maintenance
- Designed and manufactured in the UK



Section AA

Telescopic Door - Single Set Tunnel Fix

Clear Opening = S/O x 0.666 - 239mm

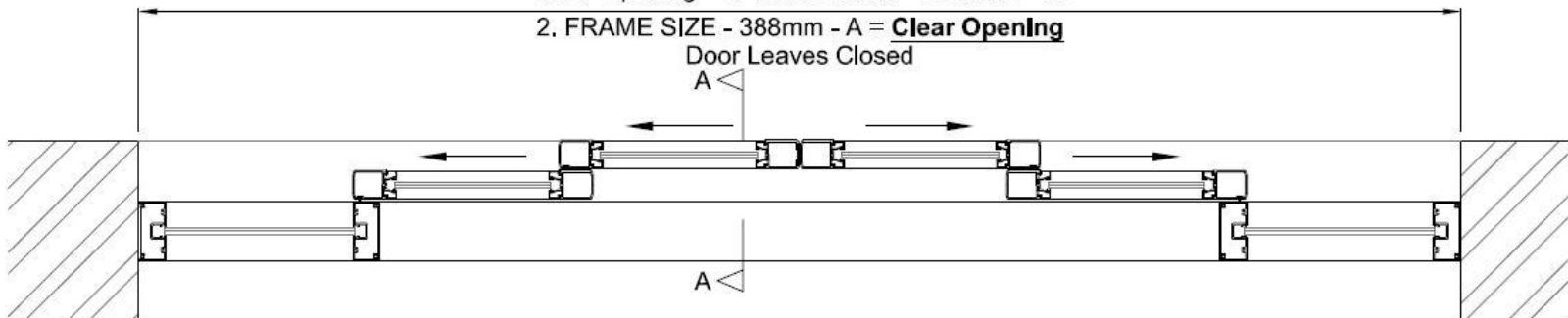


Telescopic Door - Double Set Tunnel Fix

Clear Opening = 1. Frame width + 90mm /3 = A

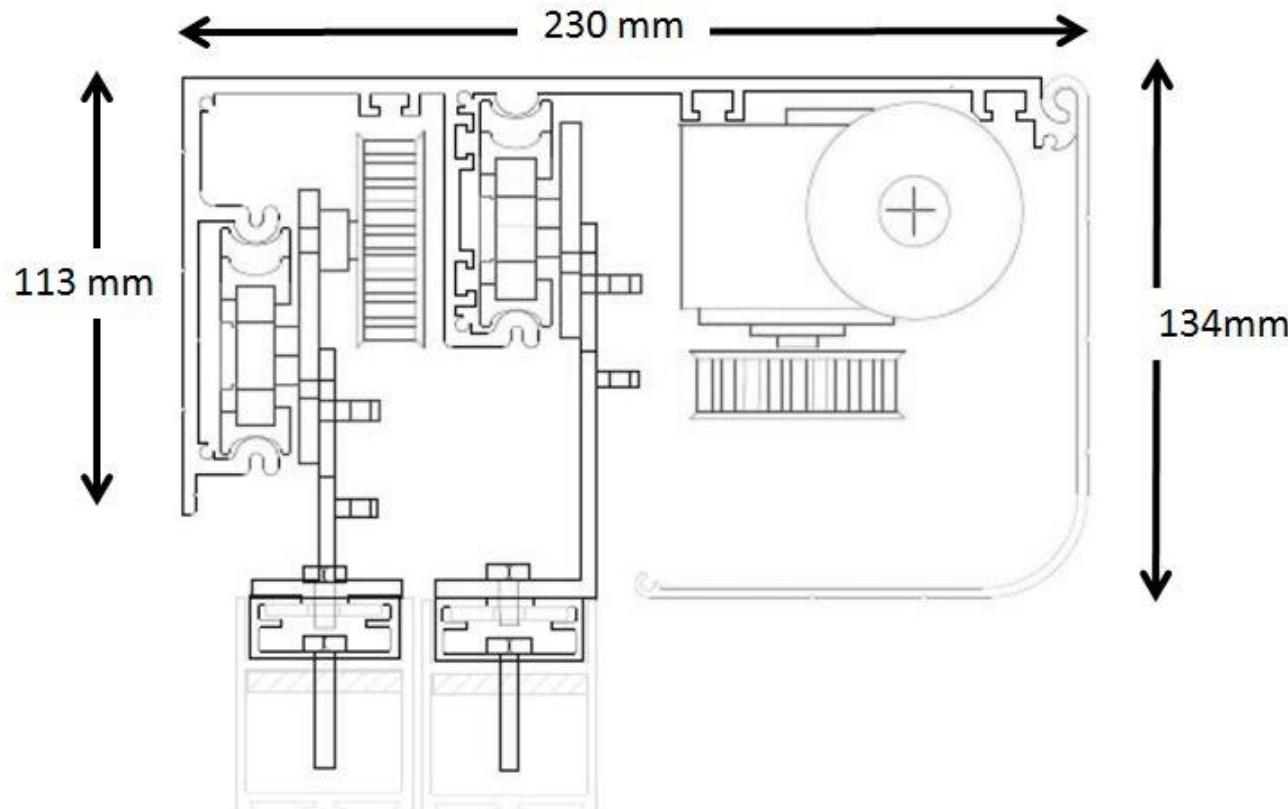
2. FRAME SIZE - 388mm - A = **Clear Opening**

Door Leaves Closed

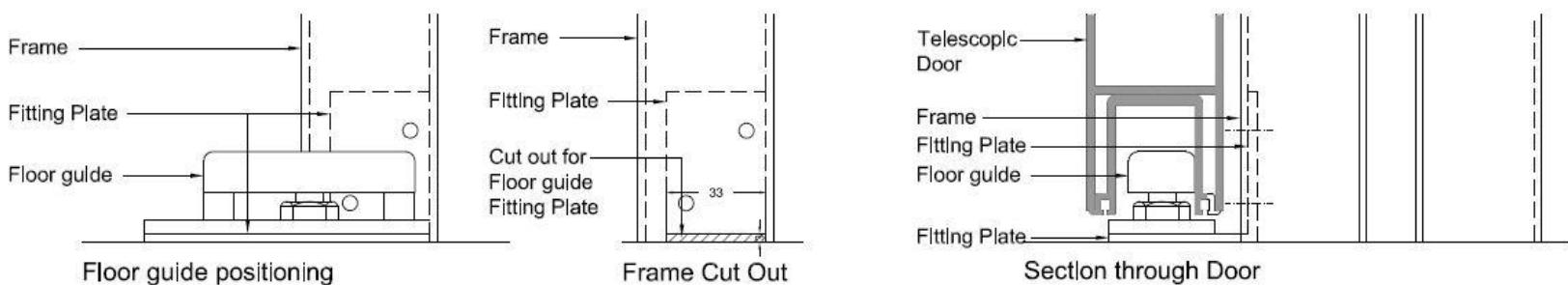
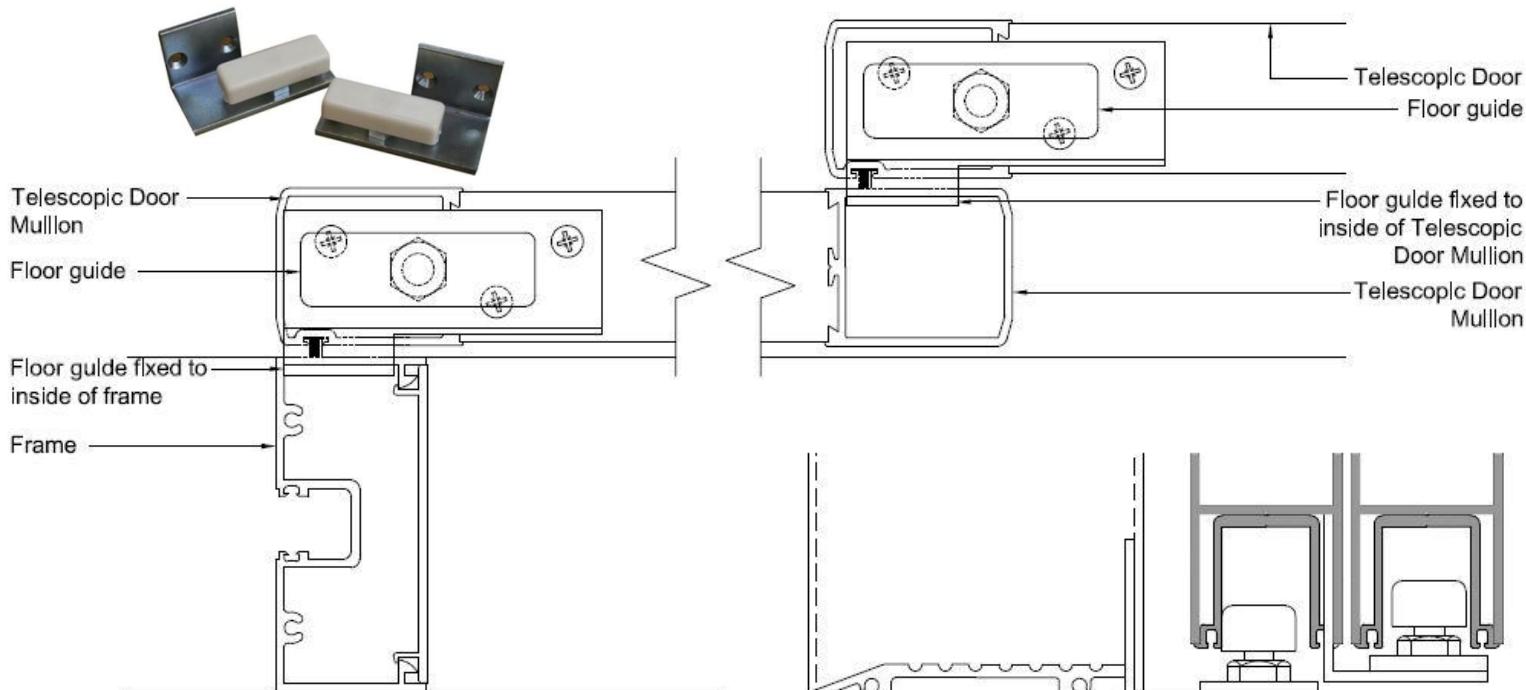


The Premier-Telescopic 134 Extrusion

A minimum transom height of 134mm is required for to fit the Premier-Telescopic 134 Operator.



Premier Telescopic Doors Floor Guide



Premier-Slide Telescopic

| | Single Door | Double Door |
|------------------|--------------------|--------------------------------------|
| Max Door Width | 1800mm | 3000mm |
| Max Door Height | 2800mm | 2800mm |
| Max Door Weigh | 120kgs | 200kgs |
| Mains Voltage | | 100v-250 v AC |
| Hold Open time | | 0-60 Sec |
| Opening Speed | | Max 400mm / Sec |
| Closing Speed | | Max 400mm / Sec |
| Partial Opening | | Adjustable 50 - 80% of opening width |
| Aux Power Supply | | 24v dc 2amp |
| Ambient Temp | | -15°oc to +50°c |

Useful Information



Safety Sensors, Barriers and Pocket Screens

http://www.global-automatics.com/shop/barriers/floor-to-floor-sliding-door/cat_37.html

Provision should be made to deter persons from occupying the area through which the door travels during its opening cycle such as Presence Detection, Safety Barrier or a Pocket Screen.

Pocket Screen - The Function of a pocket screen is to provide a single continuous construction installed to safeguard against entering the path of a sliding door during it's opening cycle.

Where Practicable, one of the following should be fitted

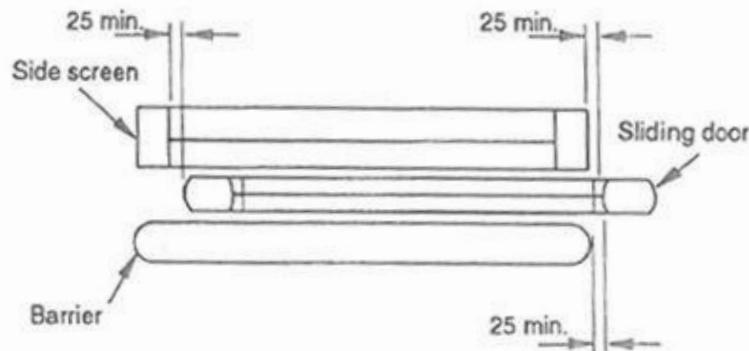
- **Barriers** Should be a minimum of 900mm in height Normally, barriers should be placed in the same plane as the doorway opening.
- **A Pocket screen** of minimum height 1500mm measured from finished floor level so that a pocket is formed into which the door slides
- **Presence sensors** protecting the area through which the doors travel during their opening cycle, such that the doors (if activated) opening at search speed, or give an audible warning, when traffic is detected.



NOTE – Barriers and Screens are not suitable for use with telescopic sliding doors as they introduce serious trapping hazards.

Safety Barrier and Pocket Screens

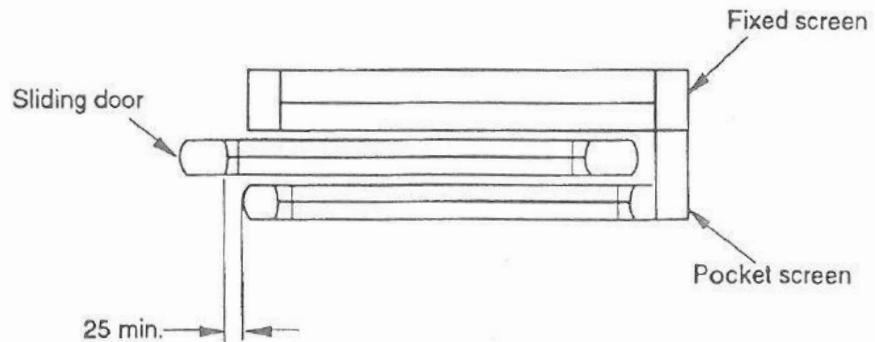
Safety Barrier



Dimensions in millimetres.

Figure 1. Example of barrier rail

Pocket Screen



Dimensions in millimetres.

Figure 3. Example of a fixed screen forming a pocket



Our Barriers are built to order from our bespoke aluminium section. They are dry glazed Using Gasket and stand 900mm high. Each barrier is constructed with a large supporting rail and cleat system to withstand the pressures put on them during their life. Available with Glass or an aluminium Infill Panel.

Our floor to floor barrier has two substantial solid Flat feet for secure fastening to the ground surface. This Barrier Allows 6mm clear gap between the floor and bottom of the barrier in accordance with BS7036:1996. Our Automatic door barriers are available Built ready to install or in Kit Form

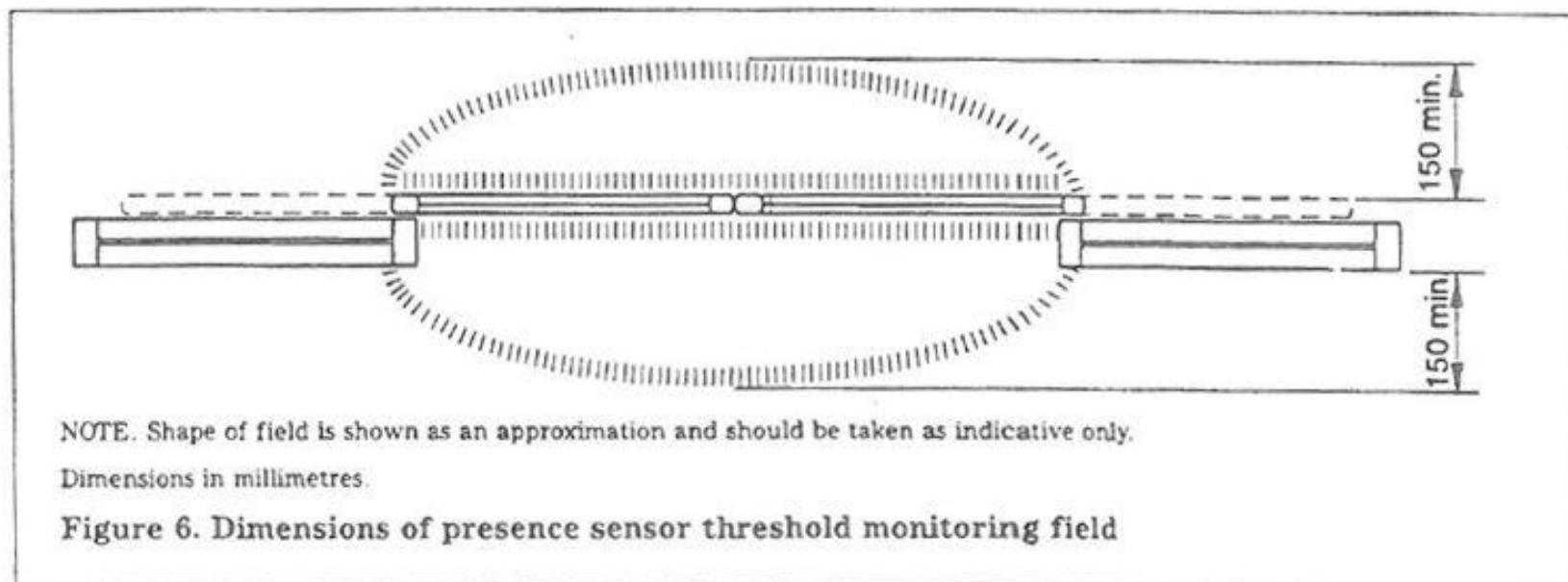
Safety Zones

BS7036 – Part 1 - **Presence sensing (active) safety devices** - NOTE – There are various types of presence-sensing safety devices which may be fitted in various positions at powered doors. These devices include active infra-red, capacitive, ultrasonic or photo-electric types.

Devices of this type should be used to detect the presence of slow moving or stationary traffic in the path of the door. These devices should be arranged to prevent further motion of a door, to ensure that the door does not make contact with traffic in its path.

It should be noted that different presence sensing devices have different capabilities, e.g. photo-electric devices may not detect walking aids whilst others may be less effective in detecting dark coloured objects or young children. Specialist technical advice (e.g. manufacturer or supplier) should always be sought in the selection of presence sensing devices.

Detection Zone Verification – Detection by a presence sensing device should occur when traffic is in the detection zone. Detection by a motion sensing device should occur when traffic is moving at least 150mm/s on entry into the detection zone. Presence sensors should detect stationary traffic for 30 seconds minimum. If further movement of traffic occurs and the traffic remains within the detection zone, then the door should remain open for an additional 30 seconds.



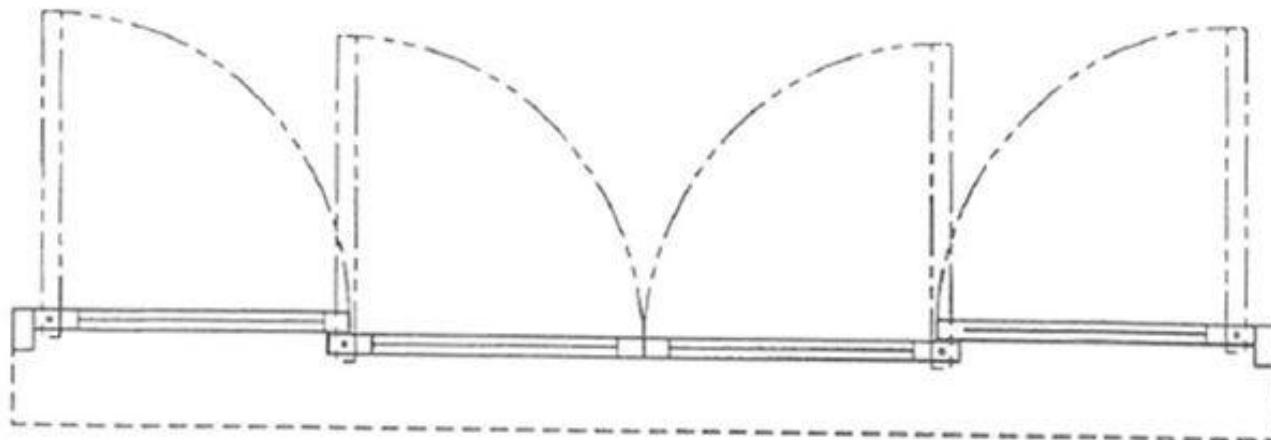
Breakout : Sliding Doors and Screens

Means of Escape – If powered sliding or folding door s are proposed for installation on an escape route and are intended as means of escape door, then the doors should be capable of manual break-out in the direction of escape.

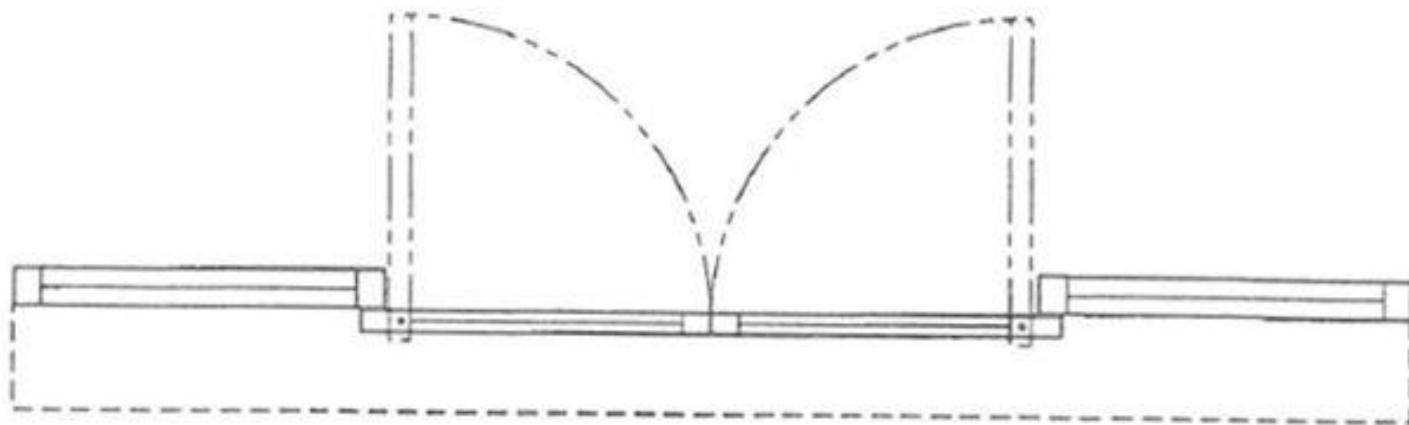
Alternatively and more commonly, the doors should be linked to an automatic fire detection system that opens the doors on activation of the fire detection system or failure of the power supply.

NOTE – If neither of these recommendations can be achieved, or if they conflict with fire and building control authorities, then powered sliding or folding doors may not be appropriate for means of escape and suitable alternative installations should be considered.

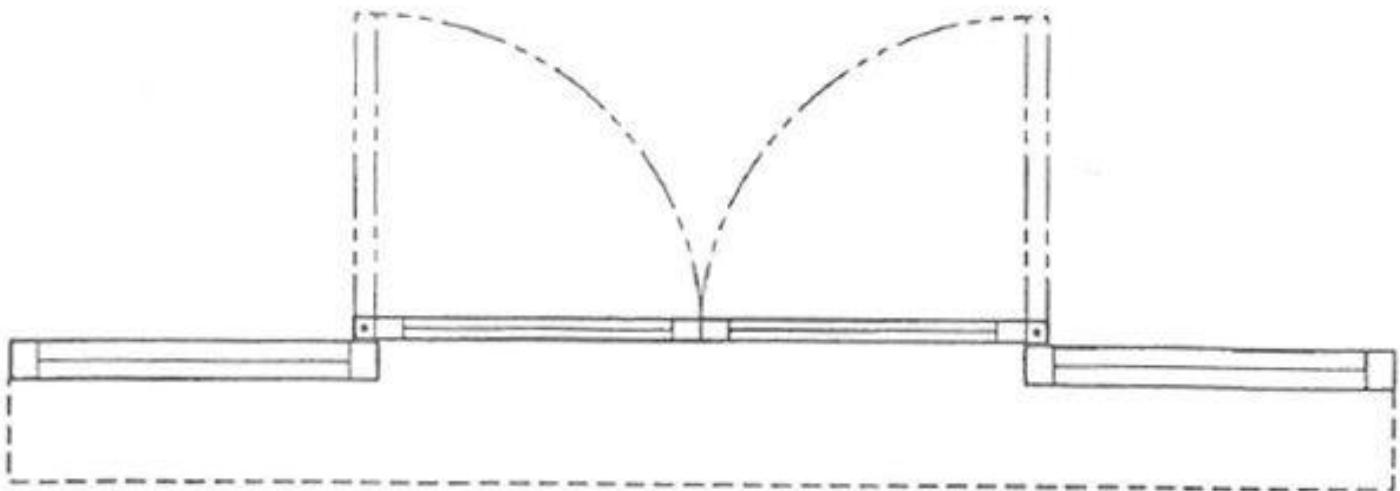
Break Out – It is essential that powered operation ceases immediately upon break-out occurring where the door or screen is fitted with such a facility. The resistance to break-out should be not greater than 220 N at the leading or meeting stile. Where a break-out facility is fitted to a glazed door it is essential that the glazing meets the break-out resistance without shattering.



(a) Break-out: doors and side screens



(b) Break-out: internal doors only



(c) Partial break-out: external doors only

Figure 7. Break-out : sliding doors and screens

Powder Coating

What is Powder Coating? - Powder coating is a type of coating that is applied as a free-flowing, dry powder. The main difference between a conventional liquid paint and a powder coating is that the powder coating does not require a solvent to keep the binder and filler parts in a liquid suspension form. The coating is typically applied electrostatically and is then cured under heat to allow it to flow and form a "skin". The powder may be a thermoplastic or a thermoset polymer. It is usually used to create a hard finish that is tougher than conventional paint. Powder coating is mainly used for coating of metal, such as aluminium extrusions.

Powder Coating and Automatic Doors - Powder coating is an important part of the door automation industry. It is used on newly prefabricated doors, shop fronts and helping new equipment blend in with existing aesthetics. The main swing door items that may require powder coating when fitting on an existing door are operator covers, fitting plates, operator arms, packer bars and safety barriers.



RAL Colours - RAL is a colour matching system used in the UK. RAL refers to the RAL CLASSIC system, mainly used for varnish and powder coating.

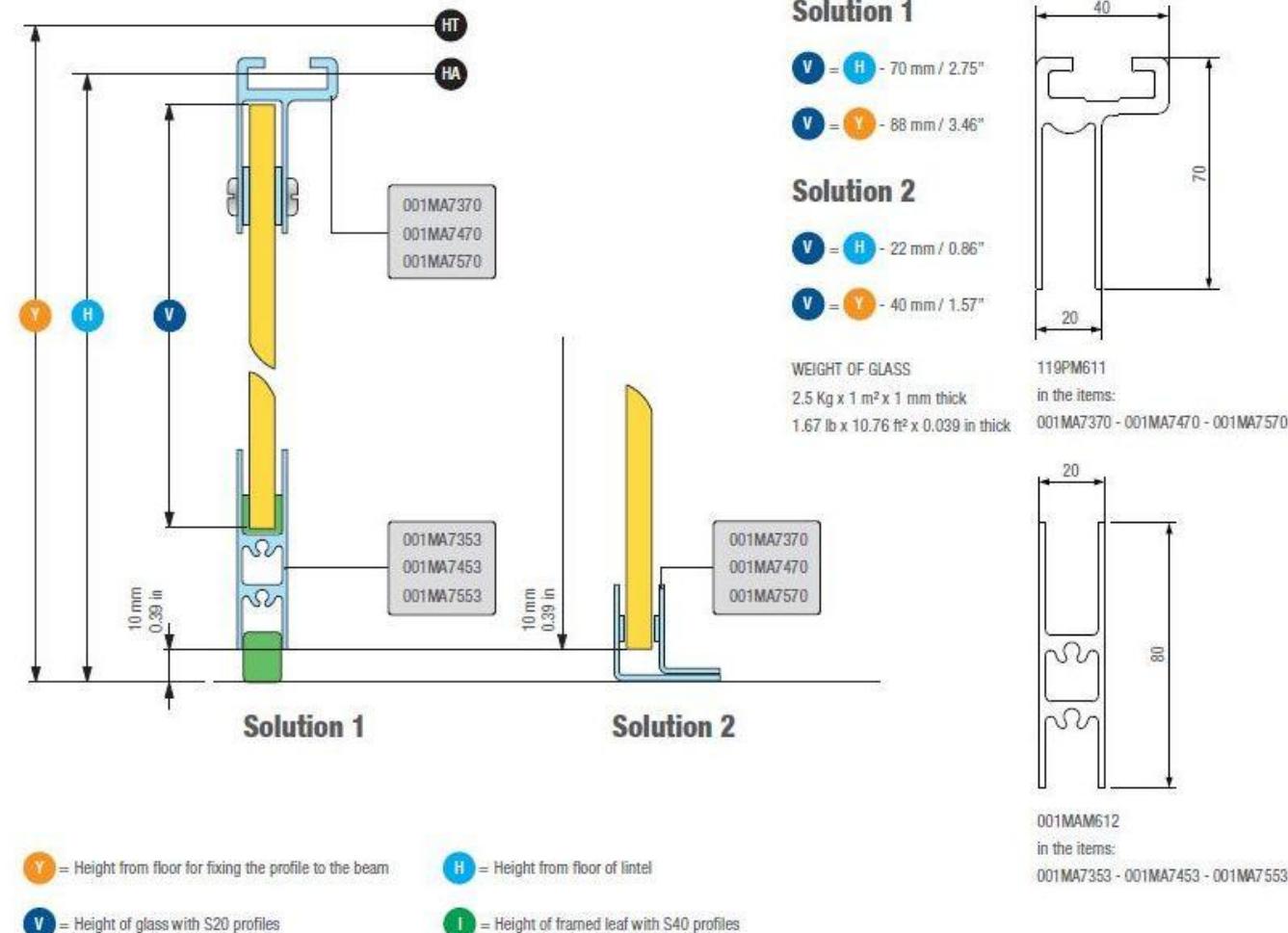
There are a wide range of RAL colours available but please keep in mind that non standard colours may be more costly to source so please check these with your powder coating company prior to install.

Paint Care - Although Powder coating is a long life finish of up to 25 Years, care should be taken when handling products that have been finished. Sharp edges can scratch and Piece Powder coated surface.

Powder coating should be cleaned down with warm water and a mild detergent. Do not sue any strong cleaning chemicals as it may affect the paint.

Sliding Glass Door Solution

This is an example of fixing sections solutions available from others for glass sliding doors.



Door Weight

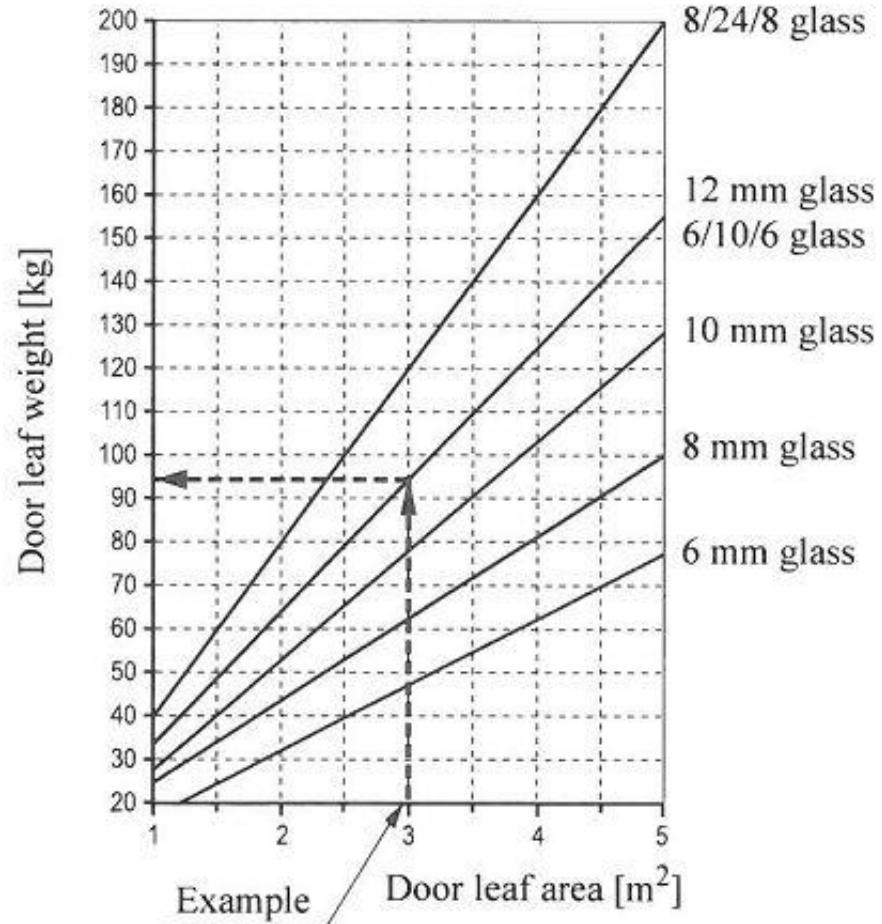
Here is an approximate Graph to help you calculate the door weight.

Please bear in mind that this table is for guidance only, it assumes that the door is made of typical 3mm wall aluminium without a midrail. Wooden, steel and other types of door should be assessed individually.

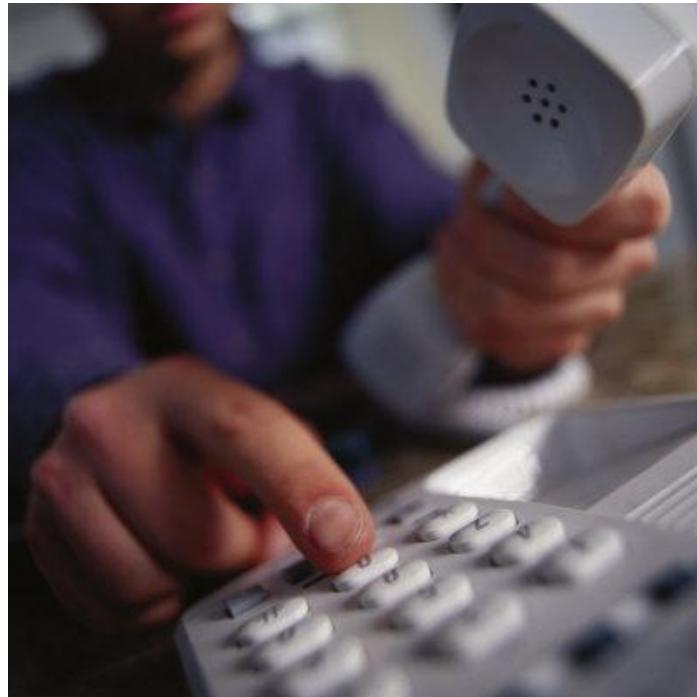
You will need to Times the Door Height by the Door width to get an overall area to use the table below.

I.E 1.1mtr wide door x 2.2m High door = 2.42
Overall area (meters)
On our Example a 2.42 area door with 6.4mm Laminated glass would be approximately 44Kg in Weight.

Please use this table for Guidance only, for an exact door weight you will have to weigh the individual Doors.



How To Deal With An New Enquiry



The questions on the “Sliding door enquiry Sheet” will help you identify any potential issues and select the appropriate equipment for an in principle quotation

Dealing With A New Enquiry

Every automatic door installation is different so to establish exactly what is required you must establish exactly what the customer requires.

Ask the customer how they want the door to operate. It is of the utmost importance that you establish exactly what functions The clients require from the doors so that you can quote appropriately. Always ask the customer what they want to achieve from their door Automation and this should give you the information to pick the appropriate activation and accessories.

Always ask questions and offer all of the potential activation options available as there may be things such as a 4 position key Switch that the customers were not aware of.

All too often return site visits are made because simple customer requirements have not been established through simple questioning. It only takes seconds to ask a question and it costs Nothing. A site revisits can cost you valuable time and money.

Use The New Enquiry Questions - Using the Swing Door Enquiry sheet is extremely important for you to establish what the client needs and to avoid any potential future problems with installation and equipment.



Sliding Door New Enquiry/ Survey Sheet

| Site Details | |
|--|-----------------------------|
| Address : | Main contact name : |
| | Landline telephone number : |
| | Mobile telephone number : |
| Post Code : | Email : |
| Single or Double Sliding Door | |
| Single | |
| Double | |
| Total Size Of Aperture | |
| Please give measurements in mm | |
| Height | |
| Width | |
| Sliding Door Leaf or Leafs | |
| Give measurements in mm | |
| Height | |
| Width | |
| Fixed Side Screens | |
| Give measurements in mm | |
| Height | |
| Width | |
| Fanlight | |
| (Glass above the door) Give measurements in mm | |
| Height | |
| Width | |
| Door application? | |
| Domestic | |
| Commercial | |

Is there any existing system to be interfaced with operator?

Please give details of Access Control, fire alarm, warden call etc.

Activation?

Please describe how the door is to be activated, e.g. Activation sensor, push buttons, remote control etc

If retro fit - how would you describe the condition of the door?

This is to establish if the door will require attention prior to Installation

What is the doors function?

Internal, external, corridor, toilet door, fire door etc

Fused Spur

Always inform the customer that they must provide a 13A 240Volt power supply terminated in a switched fused spur within 1000mm (1 meter) of the operator. This must be installed and working prior to our installation date. A local electrician will easily install a fused spur quickly and with minimal cost or fuss.

Additional Information

Please give other info relevant to the door not provided above

Site Survey

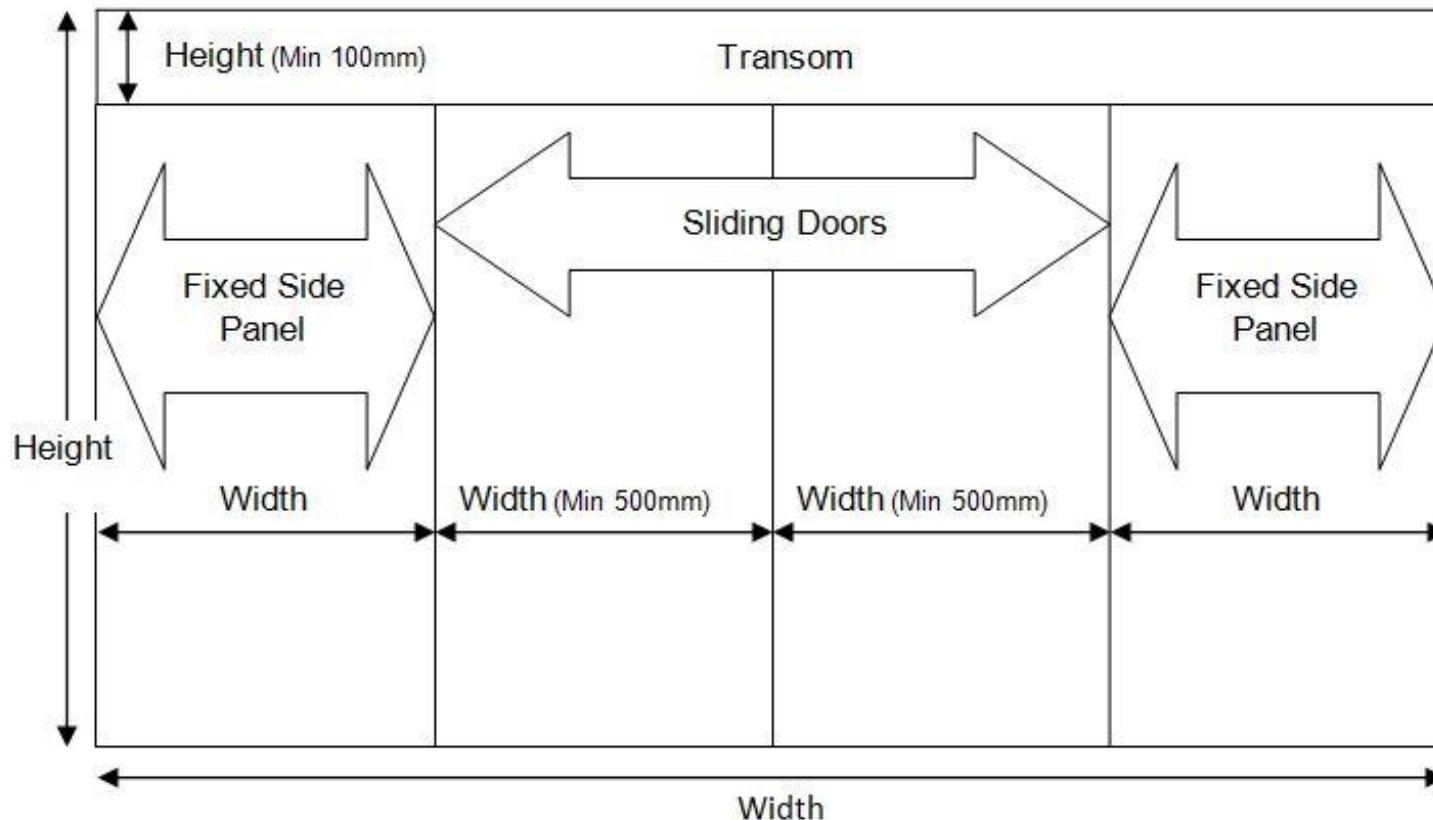


To establish exactly what equipment is required to automate a set of doors a site survey may be required.

Slide Door Drawing

When you have taken all of the details for a new sliding door draw an estimated plan to send to an aluminium prefabricator. This is what they will require to supply a quote for the prefabrication of the door, side panels and Installation.

What to measure for new set of Sliding Doors



Selling Automatic Doors

Here are some of the main reasons people buy automatic doors that will help you identify a sales need.

- **Safety** - With today's modern sensors and the BS7036:1996 safety standards, automatic doors are incredibly safe. Fail safe devices and procedure mean accidents are rare.
- **Customers prefer automatic doors** - Research proves that consumers prefer automatic doors and expect to see them at: hospitals, airports, hotels/motels, shopping centre entrances and retail stores.
- **Aesthetics** - Automatic doors come in a wide range of finishes, from stainless to powder coating. A well designed entrance can add "significance" to your business.
- **Convenience** - Automatic doors enable easy access for all and instantly demonstrate to users that the establishment cares about their visitors.
- **Your image** - Automatic doors are impressive and give your building a certain status.
- **Low maintenance** - Automatic doors are extremely reliable. They are often operated thousands of times a day and last for several years without any trouble
- **Free** - In most circumstances, a UK based business, will purchase an automatic door to the sum of several thousand pounds. This purchase can be a "capital allowance" and your accountant can depreciate it over several years. This often equates to the actual cost of the system being negligible. (Please consult your accountant for exact rules and allowance).
- **Cost effective** - Automatic doors practically pay for themselves when you consider the energy saving on the building's heating and the increased image and convenience factors for your customers.
- **DDA compliance** - Automatic doors allow unhindered access for all your customers without persecution no matter their mobility
- **Work with professionals** - Automatic door systems are quite complicated and any company wanting to install them must go through a vigorous training program and ideally join the "Automatic Door Suppliers Association".
- **Choice** - There are several different types of automatic door: swing doors, sliding doors, folding doors, balanced doors, revolving doors and low energy swing doors. This means that there is always a solution available to solve your access issues.
- **Security** - A wide range of locking solutions are available within automatic doors. Features such as timers and controlled access mean you can open or close your building without even being present.
- **Energy Efficient** - Automatic doors effectively reduce wasted energy and often considerably lessen annual heating and cooling costs.
- **Diagnostics** - Some automatic systems have "self diagnostics". This means faults and necessary repairs can be quickly identified. Down time of your door is, therefore, kept to a minimum.
- **Information** - Systems can be introduced to count frequency of operations. This allows the customer to calculate busy trading periods and/or the number of visitors through the door set.
- **Advertising space** - Often door systems are made of slim aluminium sections with vast areas of glass. This can be used as an additional advertising space for your business

Fused Spur

FUSED SPUR - IMPORTANT – Always Inform the customer that they must provide a 13A 240Volt power supply terminated in a switched fused spur within 1000mm (1 meter) of the operator. This must be installed and working prior to our installation date. A local electrician will easily install a fused spur quickly and with minimal cost or fuss.

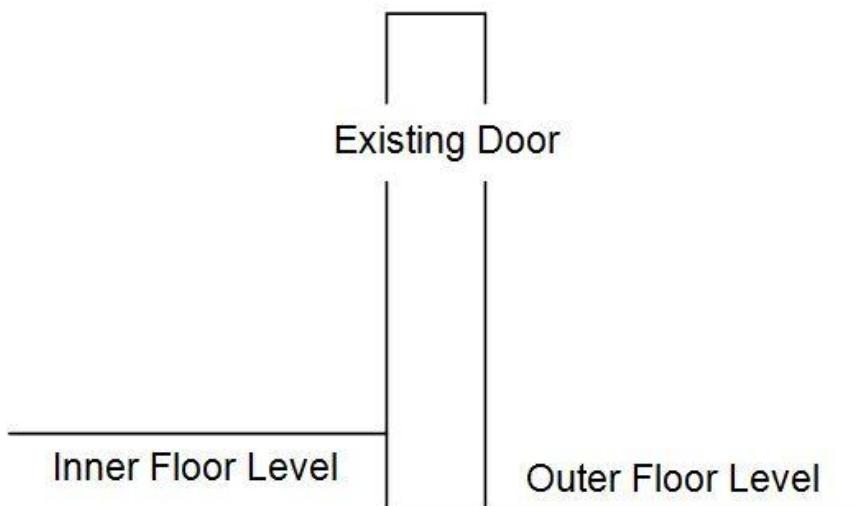


Floor Levels

(New Framework Installs)

Floor Levels - It is important to measure the floor levels inside and outside. This can be achieved taking height measurements from various points inside and outside the building when surveying for the installation of new prefabricated doors.

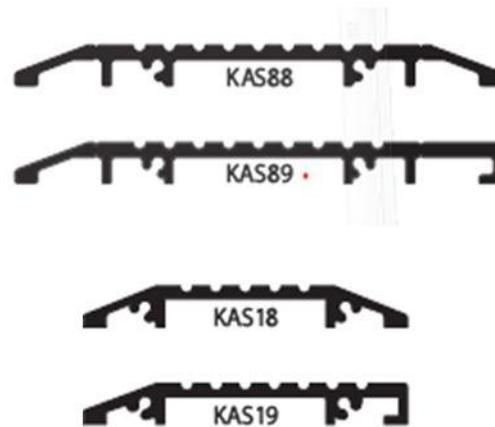
This is important so that the difference in floor height can be accommodated when a doors is being prefabricated.



Threshold – Relevant when surveying for a new prefabricated door a threshold is normally an aluminium strip that is used when the internal and external floor surfaces meet and can be used in conjunction with a brush strip to create a weather seal.

A threshold must not create a tripping hazard and under Part M must not be greater than 15mm in height.

Threshold Section Examples.



Part M Quick Help Sheet

Part M is the relevant sections of the building regulations document relating to access to dwellings and other buildings.

Please note: The building Reg Part M is a very large regulation and this page is just an example of some parts that will be relevant to you. Please consult the relevant standard for full info. No threshold is preferred but where necessary (external doors) Less than 15mm.

That there is a 1500 x 1500mm level landing clear of any door swings immediately in front of any entrance and is of a material that does not impede the movement of a wheel chair.

CLEAR OPENINGS

| Direction and width of approach | New Buildings | Existing Buildings |
|--|---------------|--------------------|
| Straight on | 800 | 750 |
| At right angle with an access route at least 1500mm | 800 | 750 |
| At right angle with an access route at least 1200mm | 825 | 775 |
| External doors to be used by the general public | 1000 | 775 |

Visibility Requirements:

- **If completely glazed:** between 500mm and 1500mm from the floor must be visible.
- **If the door has a mid rail:** between 500mm and 800mm then 1150mm and 1500mm from the floor must be visible.
- **Manual controls** (push pads etc) must be between 750mm and 1000mm from floor level and set back 1400mm from the leading edge of the door when fully open.
- **Manifestation:** Clearly defined with manifestation on the glass at 2 x levels - 850 to 1000mm and 1400 to 1600mm contrasting with the glass from both sides and in all lighting conditions



Notes

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For more information on the BS7036:1996 please go to www.bsigroup.co.uk where you can purchase a full copy of this British standard or the Automatic door suppliers association – www.adsa.org.uk